

***U.S.-Mexico Border 2012 Air Policy Forum Meeting
October 6-7, 2004***

Appendix 3: Complete Lists/Notes from Roundtable Discussion

Note

The following are notes as originally recorded by the RESOLVE facilitation team on flip charts from the roundtable discussion session on October 6, 2004. This session focused on generating a list of stakeholder priorities for Air Policy Forum attention. Issue areas included: Stationary Sources, Mobile Sources and Fuels, Air Quality and Public Health, Emissions Trading Possibilities, Air Quality and Energy Efficiency, and Cross Border Planning and Implementation of Binational Projects. These lists are included to preserve all of the ideas generated in the roundtable discussion.

This exercise was followed by issue specific breakout sessions charged with narrowing and prioritizing these lists to a small number of cross-cutting policies and/or programs requiring federal attention and which the Air Policy Form can be instrumental in advancing. Detailed results of the breakout sessions are found in Appendix 4

Roundtable Discussion: Cross Border Planning and Implementation of Binational Projects

Data

- Available, shared throughout government levels and across borders
- Some metrics comparability
- Joint Planning (energy, transmissions)
- Shared methodology for comparable data need to enable linkages to public health
- Integration
- Interconnectedness
- Clarify how to improve environmental health connection to air quality
- Continued sharing of air quality data after monitor transfers

Agriculture

- Agricultural and residential burning – accord-joint decision making
- PEMEX Involvement
- Coordinating customs to reduce commercial congestion
- Partnerships
 - Homeland security
 - Commerce
 - Inter agency coordination
 - USDA- ag burning
- Monitoring
 - Important on Mexican side
 - Need fed funding to build indicators

Appendix 3: Roundtable Discussion Notes

- Develop technical capacity to interpret data
- Further evaluate recognition of airsheds in baja/ca
- Research PM 10
 - Environmental factors
 - Universities, environmental consortium
- Increase energy demand/renewables
- Border crossings/immigration/migration/border patrol/policing
- EJ-environmental justice-disproportionate border impacts
- Well defined airshed framework
- New planning mechanisms
- Linking local state fed to register and interpret data
 - Mexican States don't have Resources
 - Other data available not factoring-e.g. development impacts
- Data/Metadata needs to be developed, shared, data monitoring analysis e.g. Ag burning
- Changing Authorities- capacity building
 - Policy disconnects
 - PROAIRE
- Systematic dissemination of information
 - Monitoring data real time
 - Quick dissemination
 - E.g. Texas leads systems
- Legislation/Legislative Framework
- Establish Common Basin
- TEIA – feds need to complete it
- Information/ environmental education
- Incentives-recognitions to teams working along border areas
 - Including industry
- Harmonization of control programs enforcement and compliance
- Funding
- Science tech, regulatory policy, focus emerging issues
- Emissions trading
 - Implications on bravo study findings
- Dissemination of environmental education in both directions
- Air Quality Standards
 - If met in us, met in Mexico?
 - NAAQS
 - Airshed
- Environmental Education
 - Useable , practical materials
 - Broad Based Across-topics
 - Why important
 - Why inventories
 - Important?

Appendix 3: Roundtable Discussion Notes

- Collaboration across government agencies, transportation, public transit, if x-border
- Harmonization of standards and programs
- Indicators (Public Health)
 - Air Quality data for decision making at community level
 - Standards/harmonization, similar data, methodology
 - This could enable local applications
- Engaging Energy Sector
- Alternative Energy Sources
- Remote Sensing for Diesel Emissions
- Taxes on emissions
 - Full Cost Accounting
 - More produce, more you pay
 - Taxes for environmental benefits
 - Link to increase in trade
- US/Mexico Environmental Legislation Difference
 - Work with local mayors, councils, legislatures on environmental issues (apply successes from the US)
 - Rulemaking at local level, development regulations
 - Especially on México side, policy coordination, capacity, info
- Ecosystem rehabilitation
- Transboundary Parameters for ecosystem rehabilitation
 - Articulate which government mechanisms could do this
- Earlier, more public transboundary info re:
 - Power plants
 - Fuel production
 - Fuel transportation facilities
- Stronger/better financing mechanisms
 - SEPs - Targeted for border issues
- Increase Partnerships
- How would delineation of airsheds proceed?
 - How would it help us?
- AG land burning fortify international program
 - Transborder/sector/urban planning
 - PIPCA
- Industrial zoning, landfills, paving, monitoring program, stronger to regulate contaminants

Roundtable Discussion: Air Quality and its Relationship to Energy Efficiency

- As energy production increases, there should be in an increase in efficiency standards

Appendix 3: Roundtable Discussion Notes

- Wood burning/off grid energy production contributes greatly to PM and other toxics
- Increase in Demand and Efficiency
- Fiscal Incentives for industry for economic efficiency
- TEIA
- Upgrade and standardize emissions from production sources
- Bi-lateral planning on transport, public transit in urban areas
- Utility monopoly, interrelation to prevent obstacles to wind/renewables production
 - Mexico FERC open up transmission in energy efficiency, mobile sources
- Engage energy sector
- Promote alternative fuels
- Earlier cross boundary assessments
 - Fuels productions
 - Fuels transportation
- West Govs Assoc – invest in implementation of recommendations (how to)
- Used appliances from US
- Publicized, how to save energy as a source of energy
- Public transportation
- Low sulfur diesel to reduce particles on both sides of border
- Real time data on air quality and health

Roundtable Discussion: Stationary Sources

- Wood burning as a source of fuel could solve problems if on the table
- Decrease agricultural land burning
- Environmental justice siting of stationary sources
- Home heating
- Info public power plants
 - Environmental assessments
- Fuels production, fuels transportation
- Partner with debt of agriculture to address NH₃ and ag burning
- Data monitoring and public education
 - Tire burning as kiln burning good for public?
- Regulating exotic plants along border
- Fiscal incentives for industry
- All agricultural processes plowing pesticides-everything
- Polluter Pays Tax BTU Tax
 - More trade, more business, more pay
- Soil Conservation
 - Local legislation
 - Japanese example
 - Dust, wind driven
 - Channel info on health

Appendix 3: Roundtable Discussion Notes

- Ecological conservation to halt erosion and pm
- Power Plants
 - Assessment/ETIA
 - Siting EJ
- Harmonize emissions standards along border
- Improve fuels for plants
- Monitoring
 - Industrial emission at local level
 - Tire burning for kilns
 - Public ed on impacts
 - Sharing info US to México
 - Integrate State and Federal with Common Format
 - State emission inventories in México
 - Cleaner burning fuel for plants
- Agriculture
 - Crop burning
 - NH₃
 - Tilling plowing
 - Fertilizer
 - Pesticides
 - Soil conservation
- Home Heating
 - Eliminate wood burning in winter
- Harmonize emissions
 - Especially next to border areas
- Monitoring
 - Improvement of fuels for plants/vehicles
 - Requires Mexico fed attn
 - States emissions inventories
 - Integrate state and fed in common format
 - High level tracking of power plants
 - Public info to evaluate and share impacts
- Measure industrial emissions at the local level
 - Municipals, spatial
 - At the local level
- Transborder environmental impact required for all companies located along border
- Tires
 - Sharing info on impacts to integrate on dangers
- Public information for households during winter months
 - Wood burning

Roundtable Discussion: Mobile Sources and Fuels

Appendix 3: Roundtable Discussion Notes

- Low sulfur diesel
- Diesel truck emissions standards
- O₂ gas on both sides of border
- improve fuels
- verify mobile emissions
- new resources to problem
- pilot projects
- border crossings
 - binational action plans
 - infrastructure
- Road Pavement
 - Bring in experts to ID new less expensive ways to pave roads
- Mexico – PM 2.5
 - standards/monitoring
- Tune-ups for Vehicles to Mexico
- Used vehicle importation
- Education on health impacts of vehicles to promote inspections
- Public Transportation
 - Population/growth crossing border
- Urban Growth and street paving. Planning as a part of new urban areas
- Diesel Particulate
 - Retrofit
 - Local fleets
 - US expertise
 - Legislation pending
- Harmonize engine design and fuel standards
 - Specification
 - Emissions limits
- Engage Energy Sector
- Alternative Fuels in Transport
 - State and federal
- Better handle on nature of emissions from Diesel Trucks
 - Fed and state
- Transit lanes, zoning to lower emissions
 - HOV/commuter at border crossing
 - Commercial vehicles something...
- PM₁₀- NAAQS evaluation and demo of dust suppression work with universities and other groups
 - High wind exceedences at counties within NM
 - Local planning issues
- Border Crossing coordination for us agencies to reduce wait times
 - Include other agencies
 - FHWA
- Involve PEMEX – low sulfur diesel in El Paso
 - How to finance investments ...\$2-3 billion

Appendix 3: Roundtable Discussion Notes

- By 2006 in Mexico
 - By 2008 for diesel in Mexico underway
- Congestion mitigation on border
 - Commerce tech for trucks
 - HOV lanes
 - Partnerships with sec/border agencies
- Test capabilities of technologies i.e. remote sensing for characterizing emissions from trucks crossing the border
- Inspections cooperation between fed and state in implementation
- Remote sensing for vehicles
 - Reemployment methodology
- Soil, Dust eroded by air, rehab economic systems and educate...Japanese example

Roundtable Discussion: Emissions Trading Possibilities

- Obstacles: Clean Air Act
 - CA CAA
 - Lobby for changes
- High Level Discussions to Overcome legal barriers
 - Voluntary actions
 - La Paz annexes
- Harmonization of standards before emissions trading
- Implications and use in relation to BRAVO study findings
- Remote Sensing for Source Data
- Emissions Trading
 - Geographic scopes needs clarification of benefits
 - Few pt sources in AZ
- Twin cities monitoring increase harmonization
- Dust suppression, PM 10 NAAQS, evaluate and demonstrate work with universities
- Develop necessary framework that links economic environmental and social giants
 - Standardization of information systems
 - Emission caps
 - Social benefits
 - Airsheds ceiling and pollutants

Roundtable Discussion: Air Quality and Public Health

- Concrete indicators
- Communicate risk to communities
- How to involve health professionals in APF
- Registry for pubic education/information in US and Mexico

Appendix 3: Roundtable Discussion Notes

- Train Medical personnel to analyze health problems as indicators
- Low sulfur diesel/ O2 gas
- Public Info Re; Env. Data/ Health FX
- Quantify public health benefits from existing programs
- PM 2.5 stds/monitoring in Mexico
- Measure industrial emissions at local level
- Systematic dissemination of Information
- Studies of Environmental Impact- PM Emission effort on public health
- Public Education/Info, especially in winter
- Environmental Education
 - General public
 - Young people
 - Teachers
- 2 types of education
 - practical materials/region specific
 - useful inventories
- Relationship: Air Quality, mobile sources, public health
- Education: Public Transportation
- Indicators at Local level that describe relationship between Air quality and environmental health at the community level
- Geographic Guidance (GIS), spatial information to help focus action on childhood asthma
- ID Asthma causeways data
- Agricultural Burning education/regulation
- PIPCA
- Dust suppression studies/pm-10 NAAQS evaluation and demonstration/work with the universities
- EJ
- Tire Burning
- Air Quality
 - Data monitoring
 - Data analysis
- Exotic/Invasive Species/Pollen
- I.D. and Focus on Most significant risks
 - Toxics
 - Low level exposure
 - Exposure based monitoring
 - Criteria pollutants
- Health/Data Info System on the US side
- Pesticides/Fallow Burning/all ag issues
- Environmental Education
 - Sharing data
 - Data from US
 - Epidemiological study/data
 - Pollutants inventory

Appendix 3: Roundtable Discussion Notes

- Fixed sources
- Small Town Environmental Education
 - Improve local environmental regulations
 - Land fills
 - Erosion/soil conservation
 - Tools that are not expensive
- Dust-Airborne
 - Impacts
 - Monterrey